



U.S. Department  
of Transportation

Pipeline and  
Hazardous Materials  
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0236/S-96, REVISION 4

East Building, PHH-23  
1200 New Jersey Avenue Southeast  
Washington, D.C. 20590

This certifies that the sources described have been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - SR-CF-3000 and OR-CF-3000 series neutron sources.
2. Source Description - The sources described by this certificate are TIG-welded double encapsulations with external dimensions of 9.4 mm (0.37 in.) diameter and 53.4 mm (2.1 in.) length. The inner capsule is constructed of a 90 wt% platinum and 10 wt% rhodium alloy. The outer capsule is constructed of Type 304L stainless steel or Zircalloy-2. One end of the outer capsule is threaded to allow the attachment of various handling devices. Construction shall be in accordance with the attached drawing titled "The primary and secondary capsule components (assembled) of the SR-Cf-3000 Series Source".
3. Radioactive Contents - These neutron sources are authorized to contain up to 1.0 TBq (27 Ci) of Californium-252 as an oxide.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on June 30, 2012.

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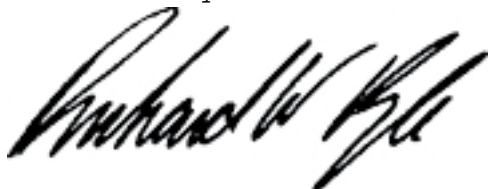
<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

**CERTIFICATE USA/0236/S-96, REVISION 4**


This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the May 23, 2007 petition by Department of Energy, Washington, DC, and in consideration of other information on file in this Office.

Certified By:



**Jun 06 2007**

(DATE)

 Bob Richard

Deputy Associate Administrator for Hazardous Materials Safety

Revision 4 - Issued to extend the expiration date.

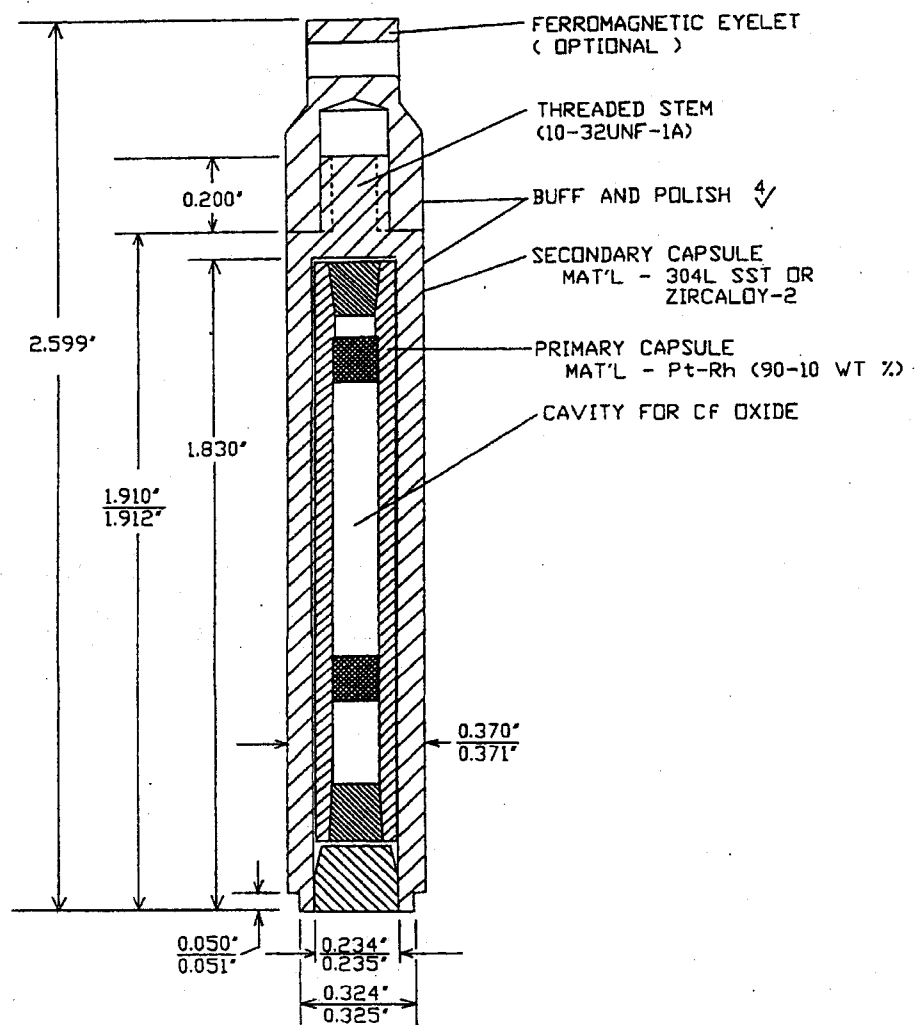


Figure 4. The primary and secondary capsule components (assembled) of the SR-Cf-3000 Series Source.



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**CERTIFICATE NUMBER:** USA/0236/S-96, Revision 4

**ORIGINAL REGISTRANT(S):**

Mr. Mark A. Gilbertson  
Department of Energy  
Washington, 20585  
USA

Dr. James M. Shuler  
Manager, Packaging Certification Program  
Department of Energy  
U.S. Department of Energy  
1000 Independence Ave, SW  
EM-60  
Washington, DC 20585